Temperature influences the number of leaves, lateral shoots, flower production and therefore the flower production. However, there is a general variation in reaction among different cultivars. This gives possibilities for breeding and selection of Gerbera, which can be grown under low temperature conditions. The growth habit of Gerbera also gives possibilities for heating systems such as soil heating and bench heating. Citation. Leifring, L. (1984). Influence of temperature on the morphology and flowering production of gerbera cultivars. Acta Hortic. 148, 575-580 DOI: 10.17660/ActaHortic.1 We investigated the effects of root-zone temperature on bud break, flowering, shoot growth and gas exchange of potted mature apple (Malus domestica (Borkh.)) trees with undisturbed roots. Soil respiration was also determined. Shoot length increased but shoot girth growth declined as root-zone temperatures increased. Soil respiration and leaf photosynthesis generally increased as root-zone temperatures increased. Irrespective of underlying mechanisms, root-zone temperatures influence bud break and flowering in apple trees. Download full text PDF. Source. Still can’t find the full text of the article? We can help you send a request to the authors directly. Request Full-text from Authors.